

*Library*

# Urban District Council of Penrith



## ANNUAL REPORT

of the

### MEDICAL OFFICER

and

### SANITARY INSPECTOR

for the year

## 1954



HEALTH DEPARTMENT STAFF.

I. S. JONES

M.R.C.S., L.R.P.S., D.P.H.,  
Medical Officer of Health  
Penrith Urban and Wigton Rural  
Districts also Assistant  
County Medical Officer.  
Appointed Medical Officer of  
Health for Penrith on 1st July,  
1953.

R. N. SHARP.

M.R.San.I., M.S.I.A.  
Certificate Royal Sanitary  
Institute and Sanitary Inspect-  
ors Examination Joint Board.  
Certificate Royal Sanitary  
Institute of Meat and other  
Foods.  
Sanitary and Meat Inspector.

Public Health Department,  
Town Hall,  
PENRITH.

June, 1955.

To the Chairman and Councillors  
of the Urban District of Penrith.

Mr. Chairman, Mrs. Wilson and Gentlemen:

I beg to present my Annual Report for the year 1954. The Vital Statistics are quite satisfactory.

The Birth Rate of 17.87 is higher than the rate for 1953 which was 15.1. The rate for England and Wales is 15.2.

The Death Rate for the year is 12.73 which is slightly higher than the 1953 rate of 12.20. The National Rate is 11.3.

The Infantile Mortality Rate is 21.28 and compares favourably with the rate for England and Wales which is 25.5.

The Maternal Mortality Rate is Nil. There have been no deaths from Puerperal or Maternal causes in the town since 1945 when there was one death.

The incidence of infectious diseases was light during the year. It is pleasing to report that there were no cases of diphtheria notified.

The town's water supply is of good quality but the quantity is deficient at times. It is hoped that the laying of the duplicate main from the Filterhouse to Boardale Head Break Pressure Tank will be commenced at an early date.

The Council has seriously considered their housing problem, and it is a pleasure to know that it has been decided to build some small dwellings for old people.

May I thank the Members of the Council and my colleagues on the staff for their help and support.

I am, Mrs. Wilson and Gentlemen,

Your obedient servant,

I. SPEDDING JONES.

Medical Officer of Health.

## GENERAL STATISTICS:

Area of District in acres...	...	...	7,576
Registrar-General's estimate of Resident			
Population	...	...	10,520
Population at Census of 1931	...	...	9,065
Population at Census of 1953	...	...	10,490
Number of Inhabited Houses (end of 1954)			
according to Rate Books	...	...	3,136
Rateable Value...	...	...	£70,606
Sum represented by a Penny Rate...	...	...	£ 285

## POPULATION:

The Registrar-General's 1954 estimate of resident population of 10,520 shows an increase of 50 on the previous year.

The following table gives the estimated population for the last ten years :-

<u>Year.</u>	<u>Registrar-General's estimated population.</u>
1944	9,947
1945	9,418
1946	9,653
1947	9,730
1948	10,500
1949	10,410
1950	10,670
1951	10,620
1952	10,350
1953	10,470
1954	10,520

## VITAL STATISTICS FOR THE DISTRICT:

### LIVE BIRTHS:

			<u>Total.</u>	<u>Males.</u>	<u>Females.</u>
Total live births	...	...	188	96	92
Legitimate	...	...	176	90	86
Illegitimate	...	...	12	6	6

BIRTH RATE per 1,000 of estimate resident population - 17.87

### STILL BIRTHS:

			<u>Total.</u>	<u>Males.</u>	<u>Females.</u>
Legitimate	...	...	2	1	1
Illegitimate	...	...	-	-	-
Total still births	...	...	2	1	1

RATE PER 1,000 (live and still births) .. ... 10.52

### DEATHS:

All causes	...	...	134	71	63
------------	-----	-----	-----	----	----

DEATH RATE per 1,000 of estimated population ... 12.73



Deaths from Puerperal Causes...	...	...	Nil
Deaths from other Maternal Causes	...	...	Nil

DEATH RATE OF INFANTS UNDER ONE YEAR OF AGE:

All infants per 1,000 live births	...	...	21.28
Legitimate infants per 1,000 legitimate live births..			22.72
Illegitimate infants per 1,000 illegitimate live births..			Nil

<u>DEATHS</u> from Cancer (all ages)	...	...	...	13
Measles (all ages)	...	...	...	Nil
Whooping Cough (all ages)	...	...	...	Nil
Diarrhoea (under 2 years of age)	...	...	...	Nil

There were four deaths of infants during the year giving an Infantile Mortality Rate of 21.28 per thousand live births. The causes of death are given in the following table :-

	1-24 hours.	1-4 days.	4 weeks.	6 .. 12 months.	Total.
Prematurity... ..	3	-	-	-	3
Acute Capillary Bronchillitis - Mongolism... ..	-	-	-	1	1
TOTALS:-	3	-	-	1	4

TABLE SHOWING THE VITAL STATISTICS FOR ENGLAND AND WALES AS A WHOLE AND CERTAIN GROUPS IN THE COUNTY OF CUMBERLAND FOR THE YEAR 1954:-

	Birth Rate.	Crude Death Rate.	Infantile Mortality Rate.
England and Wales... ..	15.2	11.3	25.5
Administrative County of Cumberland ... ..	16.4	11.9	27.6
Urban Districts of Cumberland (including Boroughs of Workington and Whitehaven).	17.5	11.4	24.9
Rural Districts of Cumberland...	15.7	12.1	29.6
URBAN DISTRICT OF PENRITH. ...	17.87	12.73	21.28

The following table shows the birth rate, death rate and infantile mortality rate per thousand of the population during the past ten years :-

Year.	Birth Rate.	Death Rate.	Infantile Mortality Rate.
1945	14.55	14.01	51.09
1946	23.20	13.98	31.25
1947	20.14	15.93	35.71
1948	19.23	12.47	24.75
1949	17.39	15.00	38.67
1950	18.65	12.72	15.62
1951	16.64	13.18	29.41
1952	15.60	12.90	24.70
1953	15.14	12.22	24.70
1954	17.87	12.73	21.28

MATERNAL MORTALITY:- There were no deaths from this cause during 1954. The following table gives the maternal mortality rate for the last ten years :-

Year.	No: of births (live & still),	Deaths.	Maternal Mortality Rate per 1,000 live and still births.
1945	144	1	6.90
1946	229	Nil	Nil
1947	200	Nil	Nil
1948	204	Nil	Nil
1949	184	Nil	Nil
1950	196	Nil	Nil
1951	170	Nil	Nil
1952	168	Nil	Nil
1953	168	Nil	Nil
1954	190	Nil	Nil

# TUBERCULOSIS:

The following table gives particulars of cases notified during 1954. There was no death from Tuberculosis during the year :-

Ages.	New Cases.				Deaths.			
	Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
0- 1...	-	-	-	-	-	-	-	-
1- 5...	-	-	-	-	-	-	-	-
5-15...	-	1	-	-	-	-	-	-
15-25...	2	-	1	-	-	-	-	-
25-35...	1	3	1	-	-	-	-	-
35-45...	3	-	-	-	-	-	-	-
45-55...	-	1	-	-	-	-	-	-
55-65...	-	-	-	-	-	-	-	-
65 and upwards.	-	-	-	1	-	-	-	-
TOTALS:-	6	5	2	1	-	-	-	-

The following table gives the number of cases on the Tuberculosis Register at the end of 1954 :-

	Males.	Females.	Total.
Pulmonary... ..	34	34	68
Non-Pulmonary ...	11	5	16
All forms of Tuberculosis :-	45	39	84



Below is a table giving the number of deaths from all forms of Tuberculosis in the area during the past ten years :-

Year.	Pulmonary.		Non-Pulmonary.		Total.
	M.	F.	M.	F.	
1945	2	-	-	-	2
1946	3	3	-	-	6
1947	1	4	-	2	7
1948	3	1	1	-	5
1949	3	1	-	-	4
1950	1	4	-	-	5
1951	2	-	-	-	2
1952	-	-	-	-	-
1953	1	-	-	-	1
1954	-	-	-	-	-

At the end of 1954 there were 85 cases of Tuberculosis on the T.B. Register. Fourteen cases were added to the Register during 1954 and four left the district.

#### MONTOUX TESTING AND B.C.G. VACCINATION:

In an attempt to further reduce the incidence of T.B. the County Council, with the consent of the Ministry of Health, have started (March, 1955) Montoux testing and B.C.G. vaccination of the thirteen year old group of school children throughout the county.

As a preliminary to this, during the autumn of 1954, Montoux testing was carried out in the Penrith Urban District area on the five to six year old children. Of course, this has always been done with the consent of the parents of the children. The following table gives the results of the findings of this test :-

	<u>Test No:</u> <u>completed.</u>	<u>No:</u> <u>Positive.</u>	<u>Percent</u> <u>Positive.</u>
Penrith:.. ..	274	21	7.7

The family doctors and the consultant chest physician were notified of the results.

A positive Montoux test shows that the child concerned had at some time been exposed to T.B. infection but, as far as the Penrith area is concerned, no cases of active T.B. were found from these tests.

#### ERADICATION OF TUBERCULOSIS FROM DAIRY CATTLE:

For many years eradication of T.B. in cattle has been going on on a voluntary basis in the County and during the last two years the Ministry of Agriculture and Fisheries has offered a free service to the farmers. Since March, 1953 the eradication has become compulsory and the Ministry's Veterinary Officers are now dealing with the few herds which are not yet attested.

It is hoped that by the autumn the Minister will declare the north-western area an attested area. This means that the risk of bovine tuberculosis in humans will be virtually eradicated.

INFECTIOUS DISEASES: The following table shows the number of cases notified (other than Tuberculosis) during the year :-

Disease.	Ages.							Totl.	Cases admitted to hospital.	Deaths.
	0-1	1-5	5-15	15-25	25-45	45-65	65 up wards.			
Measles.	4	68	43	-	1	-	-	116	-	-
Scarlet Fever.	-	1	3	-	-	-	-	4	-	-
Whooping Cough.	5	61	20	-	-	-	-	86	-	-
Dysentery-Sonne.	1	16	-	-	-	-	-	17	-	-
Puerperal - Pyrexia.	-	-	-	1	2	-	-	3	-	-
Pneumonia.	-	-	-	-	2	3	-	5	3	2
Erysipelas.	-	-	-	-	2	-	-	2	-	-
TOTALS:-	10	146	66	1	7	3	-	233	3	2

WHOOPIING COUGH was prevalent during March and April, there being eighty-six cases as compared with five the previous year.

MEASLES were prevalent in this area during the months November and December. One hundred and sixteen cases were notified. There were one hundred and two cases the previous year.

SONNE DYSENTERY: There was a small outbreak of this disease at the Sandath Nursery. It started in November and cleared up in about four weeks time. This Nursery is run by the County Council. The County Pathologist, Dr. Steven Faulds and Dr. Studdart, a Consultant Physician for the Cumberland Infirmary, were called in to investigate the outbreak and advise on treatment. One of the staff was found to be a carrier and was suspended from duty until she was free from infection. None of the children were really ill. Although they had a lot of diarrhoea they were "agilively as crickets" according to the Matron. Seventeen children were affected. There were twenty-six children in the Home at the time.

WINTER VOMITING: In February 1954 there was a small outbreak of virus disease. It affected some sixty-five older school children and young adults. It was, at first, thought to be food poisoning but, after full investigation, this was ruled out. The bacteriological examination of stools was negative for food poisoning organism. The symptoms were severe vomiting for about twenty-five hours but the patients had no diarrhoea which they would have experienced if it had been food poisoning.

DIPHTHERIA: The incidence of diphtheria continues to fall. In the last ten years notifications have fallen from over 18,500 in 1945 to a new low figure of 182 (provisional) for 1954. The following are figures for deaths and notifications (corrected) for England, Wales and Penrith since 1945 :-

Year.	England & Wales.		Penrith Urban District.	
	Deaths.	Notifications.	Deaths.	Notifications.
1945	722	18,596	Nil	2
1946	472	11,986	"	1
1947	244	5,609	"	1
1948	156	3,575	"	Nil
1949	84	1,890	"	"
1950	49	962	"	"
1951	33	664	"	"
1952	32	376	"	"
1953	23	266	"	"
1954	9	182	"	"

£ Provisional.

INFLUENZA: There were two deaths registered from this cause. The ages of the patients who died were 66 years and 54 years.



CAUSE OF DEATH:

	Cause.	M.	F.	Total.
1.	Tuberculosis, respiratory...	-	-	-
2.	Tuberculosis, other...	-	-	-
3.	Syphilitic disease ...	-	-	-
4.	Diphtheria ...	-	-	-
5.	Whooping Cough..	-	-	-
6.	Meningococcal infection ...	-	-	-
7.	Acute Poliomyelitis...	-	-	-
8.	Measles ...	-	-	-
9.	Other infective and parasitic diseases..	-	-	-
10.	Malignant neoplasm, stomach. ...	-	-	-
11.	Malignant neoplasm, lung, bronchus	-	2	2
12.	Malignant neoplasm, breast..	-	1	1
13.	Malignant neoplasm, uterus..	-	4	4
14.	Other malignant and lymphatic neoplasms.	3	3	6
15.	Leukaemia, aleukaemia. ...	-	-	-
16.	Diabetes.. ...	-	-	-
17.	Vascular lesions of nervous systems	15	15	30
18.	Coronary disease, angina ...	13	5	18
19.	Hypertension with heart disease...	1	2	3
20.	Other heart diseases..	14	17	31
21.	Other circulatory disease...	3	3	6
22.	Influenza. ...	2	-	2
23.	Pneumonia. ...	2	-	2
24.	Bronchitis ...	4	1	5
25.	Other diseases of respiratory system ...	2	-	2
26.	Ulcer of stomach and duodenum ...	1	-	1
27.	Gastritis, enteritis and diarrhoea	-	-	-
28.	Nephritis and nephrosis ...	1	-	1
29.	Hyperplasia of prostate ...	1	-	1
30.	Pregnancy, childbirth, abortion...	-	-	-
31.	Congenital malformations ...	-	-	-
32.	Other defined and ill-defined diseases..	6	9	15
33.	Motor vehicle accidents ...	2	-	2
34.	All other accidents...	-	1	1
35.	Suicide... ..	1	-	1
36.	Homicide and operation ...	-	-	-
	ALL CAUSES:-	71	63	134



ANNUAL RETURN OF FOOD POISONING NOTIFICATIONS.

(Corrected).

1. LOCAL AUTHORITY:- URBAN DISTRICT COUNCIL OF PENRITH. YEAR 1954.

2. FOOD POISONING NOTIFICATIONS (Corrected) RETURN TO REGISTRAR-GENERAL:

1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total.
N i l	N i l	N i l	N i l	N i l

3. OUTBREAKS DUE TO IDENTIFIED AGENTS:

Total outbreaks:- N i l.                      Total cases: - N i l

Outbreaks due to :-

(a) Chemical Poisons.	(d) Cl. botulinum.
(b) Salmonella Organisms.	(e) Other bacteria. N i l
(c) Staphylococci (including toxin).	

4. OUTBREAKS OF UNDISCOVERED CAUSES:

Total outbreaks:- N i l                      Total cases:- N i l

5. SINGLE CASES:

Agent identified:	Unknown cause:	Total.
N i l	N i l	N i l

MEAT INSPECTION AT PENRITH PUBLIC ABATTOIR:

Mr. Sharp is reporting on the work of meat inspection carried out at the Penrith Abattoir.

FOOD AND DRUGS ACTS 1938 - 1950:- I am indebted to Mr. Nobbs, Chief Executive Officer of the County Council for the administration of these Acts and for the following report on the number of samples taken in the area during the year 1954 :-

Number of samples taken in the area of the Penrith Urban District Council under the Food and Drugs Acts, 1938 - 1950, and the Defence (Sale of Food) Regulations, 1943 from 1st January to 31st December, 1954.

MILK.		OTHER THAN MILK.		TOTAL SAMPLES.
Genuine.	Not Genuine.	Genuine.	Not Genuine.	
18	-	18	-	36

Schedule of Articles Sampled  
Other Than Milk.

Beef Suet  
Cooking Fat  
Cornflour  
Gelatine Compound  
Ground Almonds  
Lard  
Lemon Flavour Pie Filling  
Margarine  
Mincemeat  
Mock Cream & Meringue Powder  
Non-Alcoholic Hop Bitters  
Pepper - Black  
Pepper - White  
Table Cream  
Tomato Piquant

## HOUSING:

A survey of the sub-standard houses in the town has recently been completed and the following return has been sent to the Ministry of Housing and Local Government. This return does not include the temporary dwellings at Carleton Camp.

### HOUSING ACT 1936: PARTS II AND III.

#### HOUSING REPAIRS AND RENTS ACT 1954: SECTION 1.

#### Proposals for dealing with Unfit Houses and Slum Clearance.

Local Authority: URBAN DISTRICT COUNCIL OF PENRITH.

County: Cumberland.

Total number of permanent dwellings in the local authority's  
area... .. 3,200

#### Part 1. The total problem.

- (i) Estimated number of houses unfit for human habitation within the meaning of Section 9 of the Housing Repairs and Rents Act 1954, and suitable for action under Section 11 or Section 25 of the Housing Act 1936 ... .. 405
- (ii) Period in years which the Council think necessary for securing the demolition of all houses in (i) ... .. 15

#### Part 2: Orders already made etc:

- (iii) Number of houses in (i) in clearance areas and already covered by operative clearance or compulsory purchase order or owned by the local authority ... .. 25
- (iv) Number of houses which are already in clearance areas and for which clearance or compulsory purchase orders have been submitted to the Minister but have not yet become operative ... .. Nil

#### Part 3: Action in the first five years.

- (v) Number of houses which are already in clearance areas and for which clearance or compulsory purchase orders are to be made or which are to be purchased by agreement within the five years. ... .. 12



Page 3: Action in first five years  
continued.....

(vi)	Number of houses which are to be included in clearance areas still to be declared and which within the five years will be owned by the local authority or will have been included in a clearance order or a compulsory purchase order submitted to the Minister...	240
(vii)	Number of houses under (iii), (iv), (v) and (vi) to be patched (if necessary) and retained within the five years under Section 2 of the Housing Repairs and Rents Act 1954, for temporary accommodation ...	Nil
(viii)	Number of houses under (iii), (iv), (v) and (vi) to be demolished in the five years <u>or made the subject of Closing Orders</u> ...	252
(ix)	Number of houses (including those already comprised in operative demolition orders) to be demolished in the five years as a result of action under Section 11 of the Housing Act 1936 ...	11

During 1954.

There were twenty-two Council houses completed and occupied. In addition nine houses were privately built. Six dwellings were modernised with the aid of improvement grants. Four dwellings were closed as being unfit for human habitation. Three large houses were sub-divided to make eight self-contained flats.

The housing problem in Penrith was not improved during the year. There are still 432 applicants for Council houses. Towards the end of the year Mr. Coates, Principal Regional Officer of the Ministry of Housing and Local Government, met the Council to discuss the problem. He gave an undertaking that provided Carleton Camp was cleared within three years, he was prepared to allow the Council to build an additional hundred houses in 1955.



During 1954  
continued...

No slum clearance was done during 1954 but it is hoped that the Council will deal with the houses which are the subject of confirmed clearance orders and also with their own sub-standard property during 1955. It has already been decided that Brewery Yard and Meetinghouse Lane properties should be dealt with as the first post-war clearance areas.

New Houses.

The following table shows the number of houses built since 1939 :-

	19 39	19 40	19 41	19 42	19 43	19 44	19 45	19 46	19 47	19 48	19 49	19 50	19 51	19 52	19 53	19 54
By the Council.	-	-	-	-	-	-	-	-	10	56	24	32	24	70	28	34
Private.	38	10	-	-	-	-	-	6	4	10	5	5	8	14	12	10
TOTALS:	38	10	-	-	-	-	-	6	14	66	29	37	32	84	40	44

Total number of houses built by the Council and privately since 1939 is 400.

# FACTORIES ACT, 1937.

## Part I of the Act.

### 1. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspector).

Premises.	Num- ber on Register.	Number of		
		Inspect- ions.	Written Notices.	Occupiers prosecuted.
(i) Factories in which sections 1,2,3,4 & 6 are to be enfor- ced by Local Authorities.	15	7	1	-
(ii) Factories not includ- ed in (i) in which Section 7 is enfor- ced by the Local Authority.	75	47	1	-
(iii) Other Premises in which Section 7 is enfor- ced by the Local Authority (excluding) outworkers' premises).	2	1	-	-
TOTALS:-	92	55	2	-

2. CASES IN WHICH DEFECTS WERE FOUND:

Partic- ulars.	Number of cases in which defects were found.				Number of cases in which prosecut- ions were instituted
	Found.	Remed- ied.	Referred to H.M. Inspec- tor.	by H.M. Inspec- tor.	
Want of cleanlin- ess (S.1)	6	6	-	1	-
Overcrowd- ing (S.2)	-	-	-	-	-
Unreason- able temp- erature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4)	-	-	-	-	-
Ineffective drainage of floors (S.6)	-	-	-	-	-
Sanitary conveniences (S.7)	-	-	-	-	-
(a) Insuffic- ient	3	1	-	3	-
(b) Unsuit- able or defect- ive	2	2	-	1	-
(c) Not sep- arate for sexes	1	-	-	1	-
Other offences against the Act (not including offences rela- ting to Out- work.	-	-	-	-	-
TOTALS:-	12	9	-	6	-

I am indebted to Mr. F. Birkbeck for the following report:-

Water Engineer's Dept;  
Town Hall,  
PENRITH.

28th May, 1955.

To the Medical Officer of Health.

Sir,

I have pleasure in presenting the following report for the year 1954:-

#### Headworks.

In accordance with the requirements of the Reservoirs (Safety Provisions) Act 1930, an inspection of the Dam was made by Mr. Alan Atkinson M.Eng., M.I.C.E., M.I.W.E., on 12th May, 1954. The report on the inspection stated that there were no signs of any leakages or of any ground movements. It was noted that the height of the Dam above the level of the overflow cill is 2.25 ft. The annual average rainfall on the catchment area is about 107 inches. The recommendations of the Engineer were as follows :-

- (a) Carry out, as soon as possible, any necessary pointing in cement mortar of the upstream face of the Dam,
- (b) Pitch the natural ground flanking the Dam at each end with stone pitching in cement mortar to a vertical height of 3'3" above the level of the overflow cill.

It has not yet been possible to implement the recommendations due to adverse weather conditions during the latter part of 1954 and in the early months of 1955.

The works will necessitate the reduction of the level of the Lake by the installation of a syphon over the crest of the Dam.

Routine inspections of the Lake's perimeter were carried out.

To ensure better control of the gathering ground and as a protection against pollution of the impounding reservoir, I feel that it would be an advantage for the Council to own the whole of the catchment area.

#### Trunk Main.

During the year three repairs have been carried out to blown joints on the main, and dresser clamps have been fitted to prevent a recurrence of the trouble.



### Storage.

At the beginning of the year the service reservoirs were almost full, a total of 1,406,000 gallons being in storage. In February stocks fell to the dangerously low total of 513,327 gallons. This was due to leakages caused by frost and the failure at three points of distribution mains. The situation improved gradually and by the end of June the amount of water in storage stood at 1,307,000 gallons. This level was maintained to the end of the year.

A leakage was located at the High Reservoir caused by a crack in the cement rendering and a defective joint in the local stone masonry. This was repaired. Investigation into the possibility of pressure grouting the whole of the structure is being carried out. It is hoped to treat the Low Reservoir in a similar manner.

### Distribution.

The Watermain Extension Scheme at Wetheriggs Lane to supply the new Secondary Modern School and possible future housing development was completed.

Work continued on the replacement of ball hydrants and 10 were changed for screwdown valve hydrants.

3,136 dwellinghouses are supplied and a population of approximately 10,513 is served by watermains.

There are only two dwellings which are not supplied by the Water Undertaking. These consist of one farm and one cottage in the rural portion of the Urban District.

### Water Services.

21 new water communication pipes were connected to the distribution mains.

23 communication pipes which were in a defective and incrust-ed condition were replaced.

6 leakages were located and repaired.

Experiments were carried out in the use of small pressure reducing valves on water services. It was found that an average saving of 15% of the normal consumption could be obtained and, in future, these valves will be fitted where high pressures exist.

### Waste Prevention.

It has been necessary to take every possible measure to conserve water supplies in view of the fact that demand has now reached the limits of supply. The completion of further housing accommodation and the erection of other new establishments has accentuated the problem.

It is hoped that, very shortly, the situation will be relieved by the construction of the duplicate trunk main from the Filterhouse to Boardale Head Break Pressure Tank. This scheme will not only supply additional water but will allow for increased efficiency in the operation of the whole undertaking.

I am pleased to say that deliveries of pipes and waterworks fittings for the pipeline were made during the year and that the whole of the materials required have now been received.

Waste Prevention  
continued....

Early in the year it was found necessary to turn off the supply during the night to allow reserves to accumulate.

Water Consumption.

Average daily consumption...				... 398,773 g.p.d.
				<u>Gallons per head</u> <u>per day.</u>
Domestic consumption..	...	...	...	29.84
Industrial	...	...	...	1.56
Agricultural	...	...	...	2.73
General Business	...	...	...	1.91
Municipal and Public Services	...	...	...	<u>1.89</u>
Total gallons per head per day:-				<u>37.93</u>

This total represents a decrease of 0.93 gallons per head per day on the previous year.

It is interesting to note that domestic consumption has decreased by 0.31 gallons per head per day. The agricultural and industrial consumption has increased slightly whilst there has been a decrease in General Business and Municipal and Public Service demands.

The total number of consumers' meters in use is 195.

BM+E

EXAMINATION OF WATER.

CUMBERLAND PATHOLOGICAL LABORATORY.

Bacteriological Examination.

Time and place of sample taken from High Reservoir at 9.15 am on 15.2.1954.

Bacteriology.

Agar plate count	0.1 ml colonies.	1ml colonies.	10 ml colonies.
At 22° C	-	-	-
At 37° C	-	-	-
Probable number of coli-aerogenes present in 100 ml			- None

Chemical Examination.

Chemistry.

Appearance in a 2ft tube clear and colourless.

pH 7.2

Parts per Million.

Ammoniacal nitrogen.....	0.065
Albuminoid nitrogen.....	0.068
Nitrogen as nitrites.....	
Nitrogen as nitrates.....	
Oxygen absorbed from N/80 permanganate in 15 mins at 27°C.....	0.16
Oxygen absorbed from N/80 permanganate in 4 hours at 27°C.....	0.20
Dissolved solids dried for 1 hr at 180°C..	30
Suspended matter.....	
Hardness - Total.....	21
- Carbonate.....	5
- Non-carbonate.....	16
Chlorine present as chlorides.....	8.5
Free chloride.....	
Free carbon dioxide.....	
Heavy metals.....	0.0

Opinion:

Bacteriologically and chemically a satisfactory water.

RACHEL M. BELL.  
Biochemist.

I remain, Sir,

Yours faithfully,

(Signed) F. BIRKBECK.

F.R.I.C.S., M.I. Mun. E., M.I.H.E.

Water Engineer.







Statistical Tables

on the

Work Carried Out

by the

Sanitary Inspector

during the year.



To Dr. I. S. Jones,  
Medical Officer of Health.

Sir:

I have pleasure in presenting my report for the year 1954 much of which has been set out in the form of statistical tables.

#### HOUSING:

Preparations have now commenced to resume slum clearance. This will be welcome news to people living in such areas as Brewery Yard, Meetinghouse Lane and Friargate who have, for many years, had to tolerate houses long since considered unfit.

The assurance that Carleton Camp will be closed within a limited time is also encouraging news as some of these huts fall very short of any housing standard. They were 'created' as temporary accommodation and served a very urgent need but their usefulness has now expired and they should now be demolished before they have time to deteriorate further.

#### RODENT CONTROL:

Labour shortage has curtailed the work done in this field. Only one treatment of the sewers was accomplished and much survey work had to be neglected. Treatments were carried out only as a result of a complaint.

#### FOOD HYGIENE:

Meat. One hundred percent meat inspection was carried out at the Public Abattoir. The large increase in the number of animals killed resulted in a larger proportion of time spent on this task. The opening of the Co-operative Slaughterhouse will further aggravate the demand on time in order to maintain the one hundred percent inspection.

Milk. The town's supply of milk is either Tuberculin Tested or Pasteurised. The schools are supplied with T.T. milk and this has been satisfactory throughout the year.

#### Ice Cream.

There are four premises registered for the manufacture of ice cream and fifty-one premises registered for the sale and storage only. Three of the manufacturers are equipped for the 'Heat Treatment Method of Production' and one for the 'Cold Mix Method'.

Ice Cream  
cont'd...

The following table gives the results of samples taken since 1949:-

		1949	1950	1951	1952	1953	1954
Grade 1.	Good.	7	10	12	8	8	8
" 2.	Fair.	5	4	2	1	6	-
" 3.	Poor.	2	2	4	6	6	1
" 4.	Very Poor.	3	1	-	2	2	3

The three poor samples taken in 1954 were all from the same manufacturer but two good samples were obtained after these three poor ones.

OTHER FOODS:

If any shop-keeper is in doubt about the condition of any food he has in stock an inspection is made and, if unfit for human consumption, it is withdrawn from sale and disposed of by the Council. The shop-keeper is given a certificate for the food condemned which is accepted by the wholesalers who, in turn, allow credit for the goods condemned.

HYGIENE:

As we are a small compact community in Penrith it has not been necessary to hold lectures to food handlers on food hygiene. Instead, advice has been given when the shop has been inspected and this personal contact has been very satisfactory. I am pleased to say that a very happy relationship exists between the food handlers and myself.

NUMBER OF SHOPS WHERE FOOD IS SOLD:

Confectioners	-	44	Bakehouses	-	6
Grocers	-	25	Fish & Chip		
Cafes	-	19	Shops	-	7
Butchers	-	15	Greengrocers	-	9
Confectioners/ Cafes	-	4			



TABLE I.

MINISTRY OF HEALTH STATISTICAL TABLE.

1.	Inspection of Dwellinghouses during the year :-	
(1)	(a) Total number of dwellinghouses inspected for housing defects (under Public Health or Housing Acts) .. .. .	195
	(b) Number of inspections made for the purpose	231
(2)	(a) Number of dwellinghouses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932. .. .. .	14
	(b) Number of inspections made for the purpose	16
(3)	Number of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .. .. .	4
(4)	Number of dwellinghouses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation .. .. .	25
2.	Remedy of defects during the year without service of formal notices:-	
	Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority or their officers.	75
3.	Action under Statutory Powers during the year :-	
(1)	Proceedings under Sections 9,10 and 16 of the Housing Act, 1936 :-	
	(a) Number of dwellinghouses in respect of which notices were served requiring repairs ..	-
	(b) Number of dwellinghouses which were rendered fit after service of formal notices :-	
	(i) By owners .. .. .	-
	(ii) By Local Authority in default of owners .. .. .	-

Table I continued...

(2)	Proceedings under Public Health Act:-	
(a)	Number of dwellinghouses in respect of which notices were served requiring repairs.. ..	5
(b)	Number of dwellinghouses in which defects were remedied after service of formal notices:-	
(i)	By Owners.. ..	5
(ii)	By Local Authority in default of owners..	-
(3)	Proceedings under sections 11 and 13 of the Housing Act, 1936 :-	
(a)	Number of dwellinghouses in respect of which Demolition Orders were made.. ..	-
(b)	Number of dwellinghouses demolished in pursuance of Demolition Orders.. ..	-
(c)	Number of dwellinghouses in respect of which undertakings were accepted by the Council ..	4
(4)	Proceedings under Section 12 of the Housing Act, 1936 :-	
(a)	Number of separate tenements or underground rooms in respect of which Closing Orders were made .. ..	-
(b)	Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit .. ..	-

TABLE II.

SUMMARY OF INSPECTIONS AND VISITS.

Under Public Health and Housing Acts..	..	..	..	296
Re Housing and Housing Applications ..	..	..	..	592
Offices (Section 92 Public Health Act)	..	..	..	4
Cinemas. .. .. .	..	..	..	4
Stables. .. .. .	..	..	..	-
Public Conveniences.	..	..	..	136
Rodent Control .. .. .	..	..	..	56
Schools. .. .. .	..	..	..	5
Factories .. .. .	..	..	..	58
Outworkers .. .. .	..	..	..	5
Smoke Abatement .. .. .	..	..	..	14
Camping. .. .. .	..	..	..	10
Refuse Tip .. .. .	..	..	..	2
Licensed Premises .. .. .	..	..	..	14
Infectious disease inquiries .. .. .	..	..	..	31

TABLE II (A).

SUMMARY OF INSPECTIONS AND VISITS.

<u>FOOD &amp; DRUGS ACT, 1938..</u>	..	..	..	..	..	1018
Dairies..	..	..	..	..	8	
Ice Cream Manufacturers	..	..	..	..	12	
Ice Cream Retailers..	..	..	..	..	39	
Meat Retailers.	..	..	..	..	22	
Fishmongers	..	..	..	..	10	
Grocers..	..	..	..	..	51	
Fruiterers	..	..	..	..	12	
Food Manufacturers (S.14 - Food & Drugs Act, 1938)	..	..	..	..	19	
Catering Establishments	..	..	..	..	61	
Bakehouses	..	..	..	..	4	
Fried Fish Shops	..	..	..	..	13	
Markets..	..	..	..	..	42	
Knackers Yard..	..	..	..	..	4	
Public Abattoir (Meat Inspection) ..	..	..	..	..	721	



TABLE III.

MEAT AND FOOD INSPECTION.

Carcasses inspected and  
condemned at Penrith Abattoir.

Particulars.	Cattle excluding Cows.	Cows.	Sheep and Lambs.	Pigs.	Calves.
Number killed.	1,612	1,122	9,345	2,955	1,436
Number inspected.	1,612	1,122	9,345	2,955	1,436
<u>All Diseases except Tuberculosis:</u>					
Whole carcasses condemned.	12	52	100	10	169
Carcasses of which some part or organ was condemned.	382	508	340	75	12
Percentage of the number inspected affected with diseases other than Tuberculosis.	24.4%	49.9%	4.7%	2.8%	12.6%
<u>Tuberculosis Only:</u>					
Whole carcasses condemned.	-	7	-	-	-
Carcasses of which some part or organ was condemned.	52	70	-	25	-
Percentage of the number inspected affected with Tuberculosis.	3.2%	6.8%	-	.8%	-

TABLE IVA - CATTLE AND COWS.  
SHOWING THE PRINCIPAL GROUNDS OF CONDEMNATION  
OF WHOLE CARCASSES AT THE PENRITH ABATTOIR.

<u>Diagnosis.</u>						<u>Cattle excluding Cows.</u>	<u>Cows.</u>
Badly bled..	..	..	..	..		1	-
Moribund ..	..	..	..	..		2	1
Pathological Emaciation.			..	..		4	17
Dropsy ..	..	..	..	..		1	5
Johne's Disease...		..	..	..		1	14
Septicaemia.	..	..	..	..		1	2
Fevered ..	..	..	..	..		2	1
Jaundice ..	..	..	..	..		-	2
Septic Pneumonia..		..	..	..		-	2
Septic Mastitis ..		..	..	..		-	2
Multiple Injuries.		..	..	..		-	1
Septic Peritonitis		..	..	..		-	1
Gassed - Internal Congestion..			..			-	1
Septic Arthritis and Pyaemia..		..				-	1

TABLE IVB -- SHEEP.

SHOWING THE PRINCIPLE GROUNDS OF CONDEMNATION  
OF WHOLE CARCASSES AT THE PENRITH ABATTOIR.

<u>Diagnosis.</u>						<u>Number.</u>
Pathological Emaciation..	..	..	..	..	..	51
Fevered .. .. .	..	..	..	..	..	4
Moribund .. .. .	..	..	..	..	..	10
Septic Mastitis .. .. .	..	..	..	..	..	3
Dropsy .. .. .	..	..	..	..	..	9
Septicaemia.. .. .	..	..	..	..	..	2
Internal Haemorrhage .. .. .	..	..	..	..	..	3
Anaemia .. .. .	..	..	..	..	..	4
Septic Pneumonia .. .. .	..	..	..	..	..	2
Multiple Injuries.. .. .	..	..	..	..	..	3
Putrefaction. .. .. .	..	..	..	..	..	2
Deformed and Emaciated .. .. .	..	..	..	..	..	1
Failure to Set .. .. .	..	..	..	..	..	2
Arthritis and Emaciation. .. .. .	..	..	..	..	..	4

TABLE IVc - CALVES AND PIGS.

SHOWING THE PRINCIPAL GROUNDS OF CONDEMNATION  
OF WHOLE CARCASSES AT THE PENRITH ABATTOIR.

Calves.

Diagnosis.

Number.

Immature..	..	..	..	..	..	..	..	161
Joint Ill.	..	..	..	..	..	..	..	2
Moribund..	..	..	..	..	..	..	..	1
Emaciation	..	..	..	..	..	..	..	2
Dropsy ..	..	..	..	..	..	..	..	2
Gross deformity.	..	..	..	..	..	..	..	1

Pigs.

Septicaemia ..	..	..	..	..	..	..	1
Septic Arthritis	..	..	..	..	..	..	1
Multiple Abscesses	..	..	..	..	..	..	1
Dropsy .. ..	..	..	..	..	..	..	2
Fevered .. ..	..	..	..	..	..	..	2
Septic Pneumonia.	..	..	..	..	..	..	1
Uraemia and Fever	..	..	..	..	..	..	1
Decomposed ..	..	..	..	..	..	..	1



TABLE V (A).

Particulars of Foodstuffs  
Condemned as Unfit for Human  
Consumption at Places other  
than the Public Abattoir.

---

A.

Tins Blown.

11	tins	of	Cooked Ham,
30	"	"	Luncheon Meat,
9	"	"	Mince Beef Loaf,
35	"	"	Steak,
8	"	"	Corned Beef,
9	"	"	Tongue,
4	"	"	Pork,
4	"	"	Chopped Ham,
3	"	"	Jellied Veal,
119	"	"	Vegetables,
316	"	"	Fruit,
11	"	"	Soup,
68	"	"	Milk,
25	"	"	Cream,
37	"	"	Vegetables and Beef,
9	"	"	Lime Juice,
1	"	"	Broth,
8	"	"	Fish,
1	"	"	Shrimps,
3	"	"	Salmon.

B.

Goods Decomposed.

12lbs	of	Cheese,	210	lbs	of	Cod,
5	"	Ham,	448	"	"	Bananas,
2	"	Bacon,	19	pkts	"	Cheese
6	"	Pork,				Spread,
70	"	Lemon Soles,	12	jars	"	Fruit,
112	"	Hake,	26	"	"	Beetroot,
42	"	Kippers,	8	"	"	Red
456	"	Imported Irish Rabbits,				Cabbage,
1	btle	Sauce,	10	"	"	Pickles
1	box	Dates.	1	"	"	Mincemeat.

I am, Sir,

Your. obedient Servant,

RONALD. N. SHARP.

Sanitary & Meat Inspector.







